



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant : Klaus Cichutek et al.

Art Unit : 1632

SEP 20 2000

Serial No. : 09/380,324

Examiner : P. Brunovskis

Filed : August 27, 1999

Title : RETROVIRAL VECTORS, METHODS FOR THEIR PREPARATION AND THEIR USE FOR GENE TRANSFER INTO CD4-POSITIVE CELLS

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Commissioner of Patents
Washington, D.C. 20231

RESPONSE TO OFFICE ACTION DATED MARCH 9, 2000

Please amend the application as indicated below and consider the following remarks.

In the Claims:

Cancel claims 1 to 12 without prejudice.

Add new claims 13 to 27 as follows.

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13. (New) A retroviral vector comprising
a viral core of murine leukemia virus (MLV); and
a virus envelope, comprising a full-length surface envelope protein and a full-length or truncated transmembrane envelope protein of human immunodeficiency virus (HIV) or simian immunodeficiency virus (SIV).

14. (New) The retroviral vector of claim 13, wherein the transmembrane envelope protein of HIV or SIV is a truncated variant.

15. (New) The retroviral vector of claim 13, wherein the full-length surface envelope protein and the transmembrane envelope protein are each, independently, a human immunodeficiency virus (HIV) type 1, (HIV) type 2, simian immunodeficiency virus (SIV) of

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